

ABSTRACT OF DISCLOSURE

PROCESS AND DEVICE FOR DE-INTERLACING BY PIXEL ANALYSIS

The invention provides for a process and a device for de-interlacing a video signal, wherein at output (S) is produced a signal (Sde) of video images de-interlaced by interpolating the pixels missing from the interlaced video signal presented at input (E), the interpolation on the output signal (Sde) being composed selectively (10) from a spatial interpolation (6), based on a transition detection and from a temporal interpolation (8) with a decision being made on the variable degree of presence of spatial interpolation and/or of temporal interpolation in the output signal (Sde), the decision being made as a function of a motion detection in the relevant area of the image, wherein the decision is made additionally as a function of a detection of the detail (2) in a relevant area of the image.